

A BIBLIOGRAPHY OF IMPORTANT TILAPIAS (PISCES:CICHLIDAE) FOR AQUACULTURE

Oreochromis macrochir, O. aureus, O. hornorum, O. mossambicus,

O. niloticus, Sarotherodon galilaeus, Tilapia rendalli and T. zillii

PETER SCHOENEN

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INTERNATIONAL CENTER FOR LIVING AQUATIC RESOURCES MANAGEMENT

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*Oreochromis macrochir, O. aureus, O. hornorum,
O. mossambicus, O. niloticus, Sarotherodon galilaeus,
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**INTERNATIONAL CENTER FOR LIVING AQUATIC RESOURCES MANAGEMENT
MANILA, PHILIPPINES**

**A bibliography of important tilapias
(Pisces: Cichlidae) for aquaculture**
*Oreochromis macrochir, O. aureus, O. hornorum,
O. mossambicus, O. niloticus, Sarotherodon
galilaeus, Tilapia rendalli and T. zillii*

PETER SCHOENEN

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This bibliography is produced directly from the author's manuscript in order to provide tilapia workers with a useful document in the shortest time. The author should be consulted in the event of difficulty in verifying details of particular references or in locating sources.

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Preface

Since the publication of "A Bibliography of Important Tilapias (Pisces: Cichlidae) for Aquaculture" in 1982 (see Schoenen 1982), a lot of further references came to my knowledge.

The references are all those published on these species up to the end of 1983. The reference numbers are consecutive from the first volume and, as before, subject and geographic indexes are provided.

To make them available as quickly as possible to scientists, field workers and libraries, I have decided to publish this first supplement.

I have to thank J.L. Maclean and ICLARM for the realization of the publication.

If users of the bibliography notice any errors or omissions, it would be appreciated if they would send details to the author again.

Peter Schoenen
March 1984

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This work is dedicated to my wife Waltraud and my son Michael.

Oreochromis (*Nyasalapia*) macrochir (Boulenger, 1912)
(formerly: *Tilapia macrochir*)

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Oreochromis (Oreochromis) aureus (Steindachner, 1864)
(formerly: *Tilapia aurea*)

List of synonyms and misidentifications

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Note:

For further taxonomic informations, see: Trewavas, 1983

Oreochromis (*Oreochromis*) aureus (Steindachner, 1864)
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Note:

for further taxonomic informations, see: Trewavas, 1983

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| 1.1. Ivory Coast | 9. India |
| 1120 | 0878 1009 1011 1073 1074 |
| 1.2. Lake Kariba | 1166 1167 1247 1327 1328 |
| 0936 1032 1033 | |
| 1.3. Lake Sibaya | 10. Indonesia |
| 0930 0933 | 1062 |
| 1.4. Lake St. Lucia | 11. Israel |
| 1342 1343 1344 | 0913 1055 1170 1171 1172 |
| 1.5. Malawi | 1257 1300 |
| 1347 1348 1349 | 12. Japan |
| 1.6. Natal | 1265 1314 1356 |
| 0952 0954 1341 1342 1343 | 13. Madagascar |
| 1.7. South Africa | 0927 1089 1090 1091 1092 |
| 0934 1005 1006 1077 | 1093 |
| 1.8. Swaziland | 14. Malaysia |
| 0949 | 1118 1232 1306 |
| 1.9. Transvaal | 15. Mexico |
| 0967 1099 | 1014 1124 |
| 1.10. Zambia | 16. Pacific Ocean; Central |
| 1134 | 1125 |
| 1.11. Zimbabwe (formerly: | 17. Pakistan |
| Rhodesia) | 0873 0874 0875 0910 1057 |
| 0939 0964 1087 1179 1180 | 1058 1188 1189 1190 1191 |
| 1181 1182 1259 1310 | 1192 |
| 2. Asia | 18. Papua New Guinea |
| 1161 1162 | 0915 1012 1013 1141 1323 |
| 2.1. Southeast Asia | 1339 |
| 0974 | |
| 3. China | 19. Philippines |
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| 4. Costa Rica | 0996 0997 0998 0999 1000 |
| 0920 | 1010 1020 1021 1022 1023 |
| | 1024 1025 1026 1027 1111 |
| | 1143 1149 1229 1273 1274 |
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| | 20. Singapore |
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21. Sri Lanka (formerly: Ceylon) 0973 1049 1266 1345 1346	23.5. Florida 1275 1276
22. Thailand 0969 1062 1100 1308	23.6. Hawaii 0956 1279
23. U.S.A. 0895 0896 0911 0912 0956 0961 0981 0982 0991 1002 1003 1004 1007 1040 1045 1052 1056 1086 1116 1131 1135 1158 1159 1160 1163 1169 1184 1200 1227 1268 1275 1276 1279 1284 1296 1302 1324 1340	23.7. Louisiana 0896 1002
23.1. Alabama 0895 0911 0912 0961 1007 1131 1200 1284 1296 1324	23.8. Puerto Rico 0991 1163
23.2. Arizona 1159	23.9. South Carolina 0981
23.3. California 1040 1116 1184 1268	23.10. Texas 1045 1052 1302 1340
23.4. Colorado 1169	23.11. Vietnam 1119

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91. Salinity (Brackish water, Sea water)
0678 0693 0697
92. Sarcoplasmic protein
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93. Sarcoplasmic reticulum
0705 0706
94. Scales
0714 0749
95. Sex
- 95.1. determination
0683
- 95.2. differentiation
0816
- 95.3. identification
0495
- 95.4. ratio
0522 0523 0625 0683 0795
- 95.5. reversal
0490 0522 0523 0581 0683
0687 0731 0740
- 95.6. separation
0760
- 95.7. sexing fish fry
0608
96. Skeletal muscle
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97. Spawning
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- 97.1. induced
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- 97.2. methods
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98. Spermatogenesis
0670
99. Spirulina
0701
100. Sport-fishing
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101. Survival
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102. Taxonomy, Systematics, Identification keys
0810 0811 0812
103. Temperature
- 103.1. adaptation
0706
- 103.2. effects of
0527 0536 0537 0678 0693
0698 0705 0706 0718
104. Testis
0670
105. Toxines
- 105.1. Toxicity
0518 0521 0793 0797
- 105.2. Anti-Germ⁵⁰
0793
- 105.3. Cypermethrin
0797
- 105.4. Heavy metals
0521

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|-------------------------------------|---|
| 105.5. pesticide residues
0681 | 107.1. requirements
0650 |
| 105.6. pyrethroid-synthetic
0797 | 108. Water |
| 105.7. toxicity tests
0793 | 108.1. water current; effect of
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| 106. Troponins
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- 1. Africa
 - 0483 0491 0499 0501 0502
 - 0511 0516 0521 0524 0525
 - 0527 0552 0558 0559 0560
 - 0561 0563 0579 0609 0614
 - 0632 0634 0638 0642 0643
 - 0645 0647 0648 0663 0671
 - 0672 0674 0675 0676 0679
 - 0681 0694 0695 0696 0715
 - 0716 0727 0738 0752 0757
 - 0772 0775 0815 0822 0824
 - 0825
- 1.1. Ghana
0752
- 1.2. Ivory Coast
 - 0491 0499 0502 0524 0525
 - 0558 0559 0563 0632 0671
 - 0672 0674 0676 0757 0772
- 1.3. Katanga
0638
- 1.4. Kenya
0511 0681 0696 0825
- 1.5. Lake Albert (now: Lake Mobutu Sese Seko)
0526 0642
- 1.6. Lake Baringo
0681
- 1.7. Lake Edward (now: Lake Idi Amin Dada)
0521 0526 0642
- 1.8. Lake George
0521
- 1.9. Lake Kainji
 - 0516 0645 0647 0648 0679
 - 0822
- 1.10. Lake Kivu
0526 0642
- 1.11. Lake Victoria
 - 0511 0663 0694 0696 0727
 - 0775 0824 0825
- 1.12. Nigeria
 - 0483 0609 0645 0647 0648
 - 0679
- 1.13. Tanzania
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- 1.14. Uganda
0695
- 1.15. Volta Lake
0560 0752 0815
- 1.16. West Africa
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- 1.17. Zaire
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- 1.18. Zimbabwe (formerly: Rhodesia)
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- 2.1. South East Asia
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- 3. Bangladesh
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- 4. Brazil
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- 6. Colombia
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- 7. Costa Rica
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- 8. Cuba
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- 9. Egypt
 - 0481 0489 0496 0497 0515
 - 0571 0628 0644 0666 0667
 - 0668 0669 0680 0749 0767
 - 0784
- 9.1. Lake Borullus
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- 9.2. Lake Nasser
 - 0497 0644 0666 0667 0668
 - 0669 0767 0784

- 9.3. Lake Nubia
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- 15.1. Lake Itasy
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0608 0683 0684 0685 0686
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0776 0777 0798 0805 0823
0826 0845
- 23.1. Alabama
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0689 0732 0733 0776 0777
0798 0823
- 23.2. Florida
0542 0826
- 23.3. Puerto Rico
0482 0577 0578 0606 0607
0608 0708 0709 0710

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- 62.2. Larvicides
0435 0520
- 62.3. Pesticides
0454
- 62.4. Toxicity
0435 0520
63. Vitamin requirements
0478
64. Water
- 64.1. Water level, effect of ra-
pidly changing
0553
- 64.2. Water exchange, influence of
0537
- 64.3. Water pollution effects
0444

G E O G R A P H I C I N D E X

- | | |
|--------------------------|--------------------------|
| 1. Africa | 6.1. Lake Kinneret |
| 0435 0438 0445 0448 0449 | 0467 0486 0529 0530 |
| 0456 0457 0468 0473 0476 | |
| 0477 0485 0491 0492 0496 | |
| 0502 0504 0509 0513 0514 | |
| 0516 0523 0526 0540 0541 | |
| 0551 0552 0553 | |
| 1.1. Cameroon | 7. Japan |
| 0473 | 0479 0543 |
| 1.2. East Africa | 8. Java |
| 0448 | 0548 |
| 1.3. Ghana | 9. Madagascar |
| 0435 0514 | 0481 |
| 1.4. Ivory Coast | 10. Malaysia |
| 0491 0516 | 0518 |
| 1.5. Kainji Lake | 11. Maroc |
| 0449 0476 0477 0492 0551 | 0512 |
| 1.6. Kenya | 12. Philippines |
| 0552 | 0463 0464 0465 0466 0469 |
| 1.7. Lake Victoria | 13. Sudan |
| 0485 0502 0523 0526 0552 | 0454 0522 |
| 0553 | |
| 1.8. Nigeria | 14. Syria |
| 0476 0492 0509 0540 0541 | 0484 |
| 1.9. Uganda | 15. U.S.A. |
| 0496 0553 | 0450 0451 0472 0474 0487 |
| 1.10. Volta Lake | 0488 0489 0501 0524 0533 |
| 0438 0457 0513 0514 | 0534 0539 0542 0550 |
| 2. Algeria | 15.1. Arizona |
| 0443 | 0542 |
| 3. Egypt | 15.2. California |
| 0436 0437 0475 0493 0511 | 0450 0451 0472 0488 0489 |
| 3.1. Lake Borullus | 0501 0524 0533 |
| 0493 | |
| 3.2. Lake Quarun | 15.3. Florida |
| 0437 0475 | 0487 0539 |
| 4. England | |
| 0554 | |
| 5. Europe | |
| 0500 | |
| 6. Israel | |
| 0440 0447 0461 0467 0486 | |
| 0529 0530 0531 | |